

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022820\  
 Data File : VU036971.D  
 Acq On : 28 Feb 2020 14:21  
 Operator : JC/MD  
 Sample : L1686-03ME  
 Misc : 4.28g/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GAW02ME

Quant Time: Feb 29 02:58:29 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM022420WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Feb 29 00:30:49 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 250027   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 243295   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 101826   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61    | 65    | 81478    | 38.81    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 77.62%  |
| 7) Chloroethane-d5             | 1.89    | 69    | 29353    | 16.90    | ug/L | -0.04   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 33.80%# |
| 11) 1,1-Dichloroethene-d2      | 2.57    | 63    | 111278   | 31.65    | ug/L | -0.03   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 63.30%  |
| 21) 2-Butanone-d5              | 4.67    | 46    | 137846   | 97.87    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 97.87%  |
| 24) Chloroform-d               | 5.10    | 84    | 141837   | 44.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.48%  |
| 26) 1,2-Dichloroethane-d4      | 5.74    | 65    | 106063   | 48.88    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.76%  |
| 32) Benzene-d6                 | 5.76    | 84    | 327672   | 46.57    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.14%  |
| 36) 1,2-Dichloropropane-d6     | 6.72    | 67    | 108770   | 47.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 95.44%  |
| 41) Toluene-d8                 | 7.92    | 98    | 300274   | 46.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 92.00%  |
| 43) trans-1,3-Dichloropropene- | 8.20    | 79    | 47450    | 44.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 89.58%  |
| 47) 2-Hexanone-d5              | 8.67    | 63    | 119105   | 106.87   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 106.87% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.78   | 84    | 167459   | 52.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 104.22% |
| 64) 1,2-Dichlorobenzene-d4     | 12.21   | 152   | 100117   | 50.30    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 100.60% |

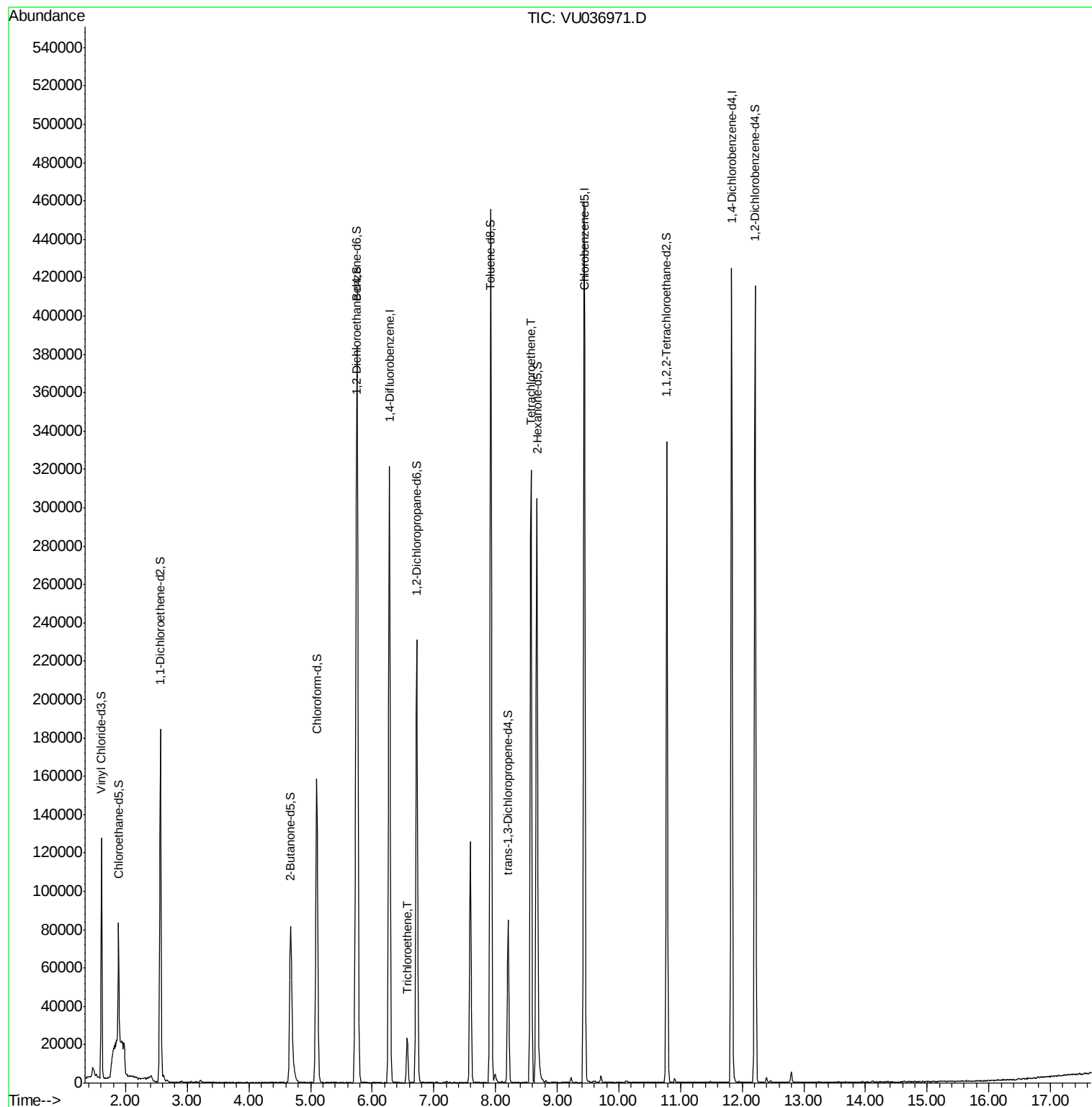
| Target Compounds      |      |     |       |             | Ovalue |
|-----------------------|------|-----|-------|-------------|--------|
| 34) Trichloroethene   | 6.57 | 95  | 7384  | 3.909 ug/L  | 95     |
| 46) Tetrachloroethene | 8.57 | 164 | 63837 | 51.296 ug/L | 98     |

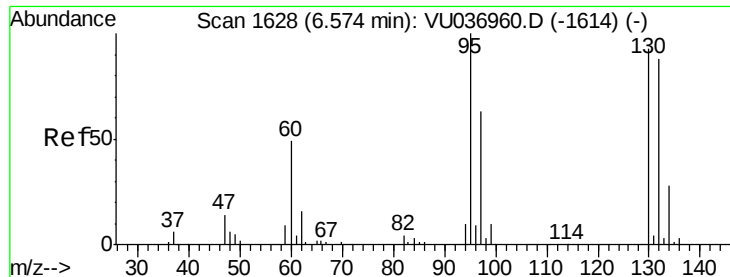
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Feb 29 00:30:49 2020  
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#34

Trichloroethene

Concen: 3.909 ug/L

RT: 6.57 min Scan# 1626

Delta R.T. -0.01 min

Lab File: VU036971.D

Acq: 28 Feb 2020 14:21

Instrument :

MSVOA\_U

ClientSampleId :

GAW02ME

Tot Ion: 95 Resp: 7384

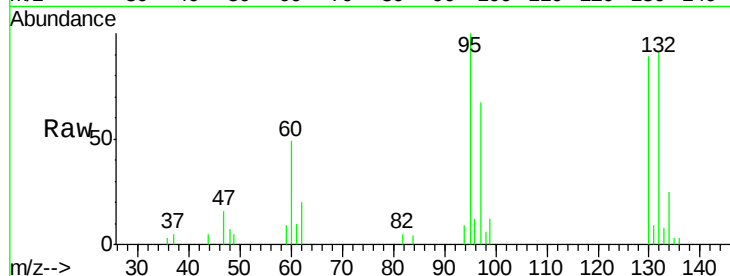
Ion Ratio Lower Upper

95 100

97 67.2 44.1 81.9

132 91.3 60.6 112.6

130 88.8 64.9 120.5

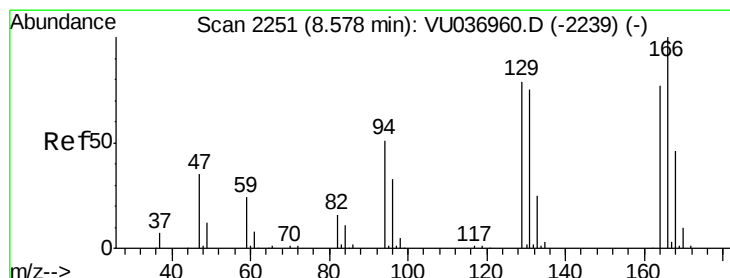
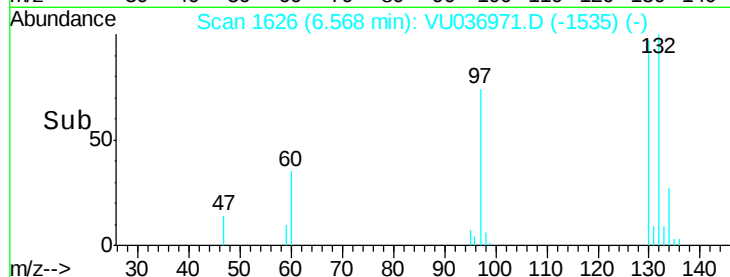
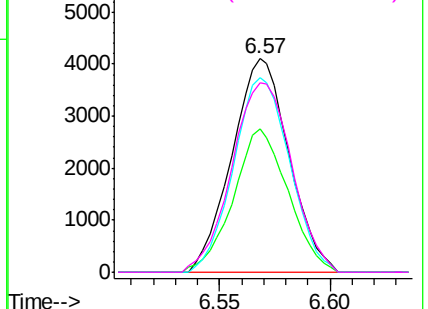


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#46

Tetrachloroethene

Concen: 51.296 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU036971.D

Acq: 28 Feb 2020 14:21

Tgt Ion:164 Resp: 63837

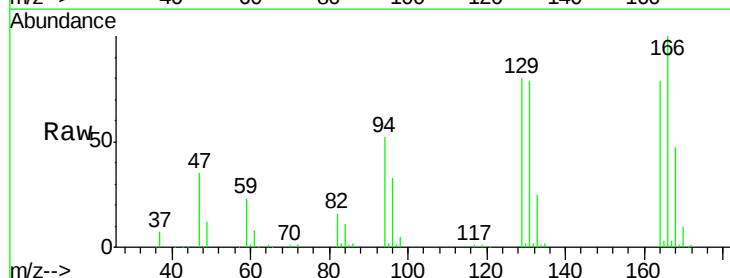
Ion Ratio Lower Upper

164 100

129 102.3 72.0 133.8

131 100.2 67.9 126.1

166 127.3 87.1 161.7



Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

